

CLAIMS

1. A passive conveyor between two active drive systems (1 and 2) of a carrying device, such as a pedestrian conveyor, designed to convey, for example to pedestrians, a movement in a longitudinal direction (L), this conveyor
5 being placed between the two drive systems (1 and 2) in the longitudinal direction (L) and comprising a chassis (3) extending in a transversal direction (T) perpendicular to the longitudinal direction (L), as well as means of rolling (4), supported by the chassis (3) and
10 defining a rolling surface (R) connecting the two drive systems (1 and 2), characterised in that it comprises a plurality of side walls (51 to 54) each of which is integral to the chassis (3) and extends in a plane perpendicular to the transversal direction (T) as far as
15 an upper edge (510 to 540) set back from the rolling surface (R), and a plurality of axes (61 to 66) each of which extends parallelly to the transversal direction (T) and crosses at least two adjacent side walls (51 and 52), in that the means of rolling (4) comprise a plurality of
20 rollers (4) laid out in a plurality of successive rows (41 to 46), adjacent to one another along the longitudinal direction (L), each roller being rotationally assembled to one of said axes (61 to 64), and in that this conveyor comprises a plurality of
25 support bases (7) aligned in the transversal direction (T), each support base (7) being made integral to the chassis (3) and bearing at least two mutually parallel side walls (51 and 54).

2. The passive conveyor as set forth in claim 1, characterised in that each row of rollers (41 to 46) comprises one or several rollers (4) stacked in a coaxial manner in the transversal direction (T).

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3. The passive conveyor as set forth in claim 1, characterised in that each roller (4) is rotationally assembled on its axis (61 to 66) using a ball, roller or oil-ring lubricated bearing.

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4. The passive conveyor as set forth in claim 1, characterised in that at least some of the rollers (4) have a different external diameter.

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5. The passive conveyor as set forth in claim 1, characterised in that the support bases (7) are butt-joint aligned in a transversal direction (T) and create a single row in the longitudinal direction (L).

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6. The passive conveyor as set forth in claim 1, characterised in that each support base (7) has, downstream from the side walls (51 to 54) in the longitudinal direction (L), a latch rod (70) of substantially triangular section whose upper face (700) drops below the rolling surface (R) and moves further and further from the side walls (51 to 54).

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7. The passive conveyor as set forth in claim 6, characterised in that each latch rod (70) has a lower face (701) and a downstream edge (702) in the shape of a comb and is imbricated into the second drive system (2).

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8. The passive conveyor as set forth in any one of the previous claims, characterised in that each support base (7) is fitted to the chassis (3) in a detachable manner.

5 9. The passive conveyor as set forth in claim 1, characterised in that the chassis (3) has two ends with respective means of assembly (30).